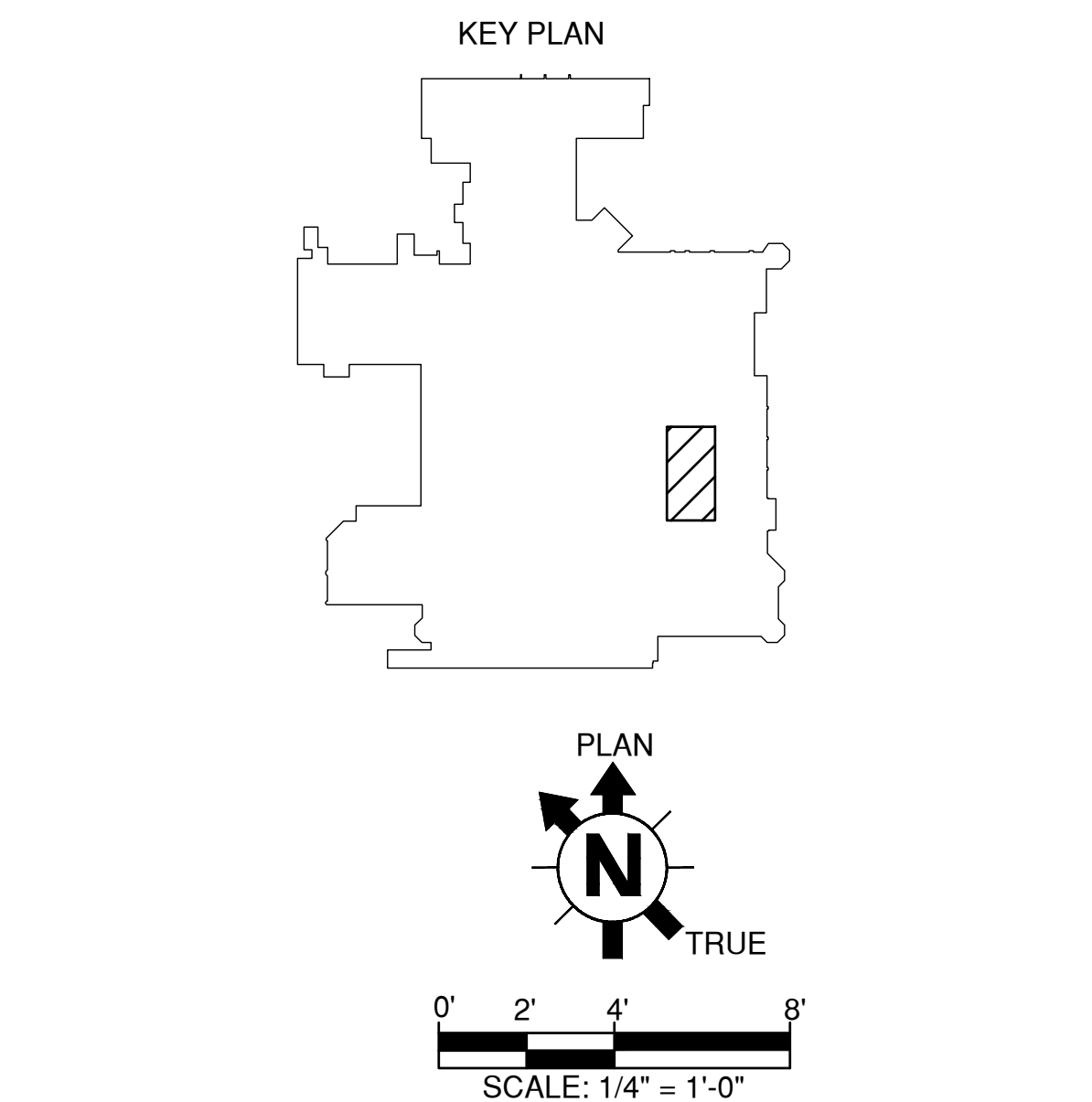
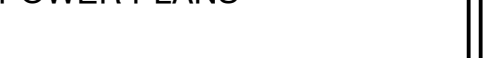


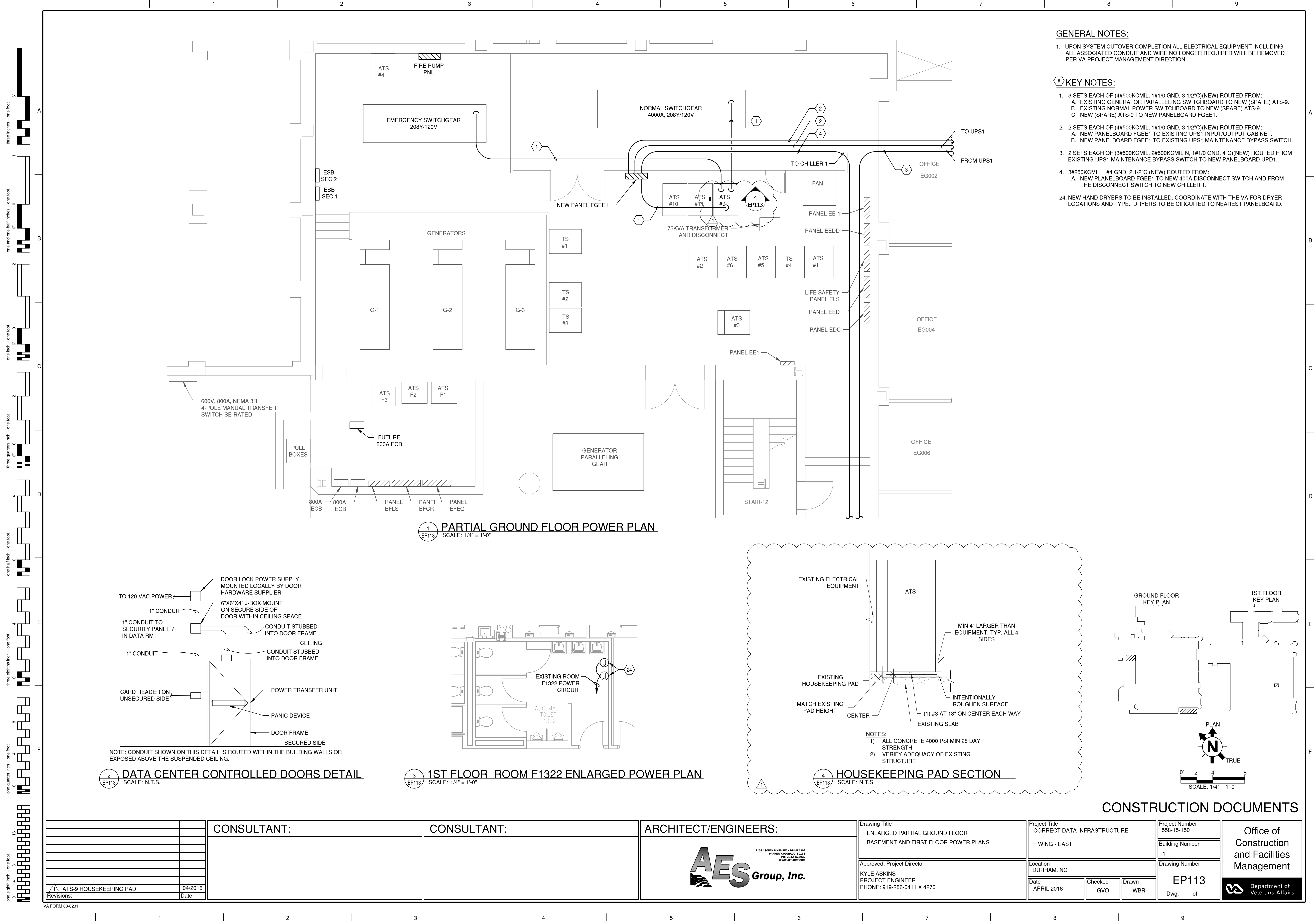


- GENERAL NOTES:**
- UPON SYSTEM CUTOVER COMPLETION ALL ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE NO LONGER REQUIRED WILL BE REMOVED PER VA PROJECT MANAGEMENT DIRECTION.
- KEY NOTES:**
- 2 SETS EACH OF (3#500KCMIL, 2#500KCMIL N, 1#1/0 GND, 4°C(NEW)) ROUTED FROM EXISTING UPS1 MAINTENANCE BYPASS SWITCH TO NEW PANELBOARD UPD1.
 - 3#250KCMIL, 1#4 GND, 2 1/2°C (NEW) ROUTED FROM NEW PANELBOARD FGEE1 TO NEW 400A DISCONNECT SWITCH AND FROM THE DISCONNECT SWITCH TO NEW CHILLER 1.
 - REMOVE EXISTING 400A PANEL UPD1 AS WELL AS ASSOCIATED CONDUIT AND WIRE UPON CUTOVER COMPLETION OF NEW 800A PANEL UPD1.
 - EXISTING CRAC UNIT, DISCONNECT SWITCH AS WELL AS ASSOCIATED CONDUIT AND WIRE TO BE REMOVED.
 - EXISTING NON-APC RACKS TO BE REPLACED IN THE FUTURE PER VA DIRECTION. ALL APC RACKS ARE TO REMAIN IN THE NEW DESIGN OF THE DATA ROOM.
 - INSTALL NEW 800AT INCOMING MAIN BREAKER WITHIN EXISTING PANEL FGEE2 AS SHOWN. FEED CHILLER 3 FROM EXISTING SPARE 250AT BREAKER (POSITION 1/3/5) AS SHOWN.
 - WITHIN EXISTING PANEL UPD2, REPLACE EXISTING 175AT BREAKERS (POSITIONS 19/21/23 AND 20/22/24) WITH 225AT BREAKERS AS SHOWN. INSTALL NEW CONDUIT AND WIRE AS REQUIRED PER THE ONE LINE DIAGRAM. INSTALL NEW 225AT BREAKER (POSITION 13/15/17) ALONG WITH THE NEW CONDUIT AND WIRE TO THE NEW POWER DISTRIBUTION UNIT LOCATED IN ROW C SOUTH.
 - WITHIN EXISTING PANEL LM1 RACK COOLERS RC1 (POSITION 1/3/5), RC2 (POSITION 2/4/6), RC3 (POSITION 7/9/11) AND RC4 (POSITION 8/10/12) ARE TO BE REFEED FROM THE POWER DISTRIBUTION UNITS (PDU'S) LOCATED IN ROWS A AND B SOUTH. THESE CIRCUITS WILL BECOME SPARES. REMOVE ASSOCIATED CONDUIT AND WIRE FOR THESE CIRCUITS UPON CUTOVER COMPLETION. RACK COOLER RC5 (CIRCUIT 13/15/17) LOCATED IN ROOM FG108 SHALL REMAIN AS INSTALLED. PROVIDE NEW 20 AMP CIRCUITS AS SHOWN FOR ROOM FG104 LIGHTING. ROOM FG108 BACNET CONTROLLER AND CHILLED WATER SUPPLY/RETURN PIPING.
 - FOR EXISTING PANELS NOTED UPON CUTOVER COMPLETION, CIRCUITS NO LONGER REQUIRED WILL BECOME SPARE. REMOVE ALL CONDUIT AND WIRE ASSOCIATED WITH THESE CIRCUITS. PANELS WITH NO ACTIVE LOADS MAY BE REMOVED PER VA PROJECT MANAGEMENT DIRECTION.
 - 1" HEAT TRACE (6-1/2"x12) CONDUIT ROUTED FROM 120/280V PANEL LM1 TO THE CHILLED WATER SUPPLY AND RETURN HEAT TRACE THERMOSTATS.
 - EXISTING RELOCATED EPO (EMERGENCY POWER OFF) PUSH BUTTON STATION SHALL BE REWIRED TO INTERLOCK WITH REMOTE EPO INPUTS FOR ALL SYSTEMS INCLUDING UPS, IN-ROW COOLERS AND REMOTE POWER DISTRIBUTION UNITS.
 - BACNET MS/TP BUS CONDUIT ROUTED FROM THE CHILLERS TO ROOM FG108 BACNET CONTROLLER.
 - DENOTES NEW DATA CENTER EQUIPMENT.
 - VESTIBULE AUTOMATIC DOOR OPENER SHALL BE OF THE SAME MANUFACTURER AND TYPE AS THE EXISTING OPENER. NEW OPENER TO BE FED FROM THE EXISTING OPENER CIRCUIT.
 - 3#250KCMIL, 1#4 GND, 2 1/2°C (NEW) ROUTED FROM EXISTING PANELBOARD FGEE2 TO NEW 400A DISCONNECT SWITCH AND FROM THE DISCONNECT SWITCH TO NEW CHILLER 3.
 - DENOTES RELOCATED DATA CENTER EQUIPMENT.
 - DEDUCTIVE BID ALTERNATE #1 (INSTALL ADDITIONAL DATA RACKS AS NOTED)





CONSTRUCTION DOCUMENTS

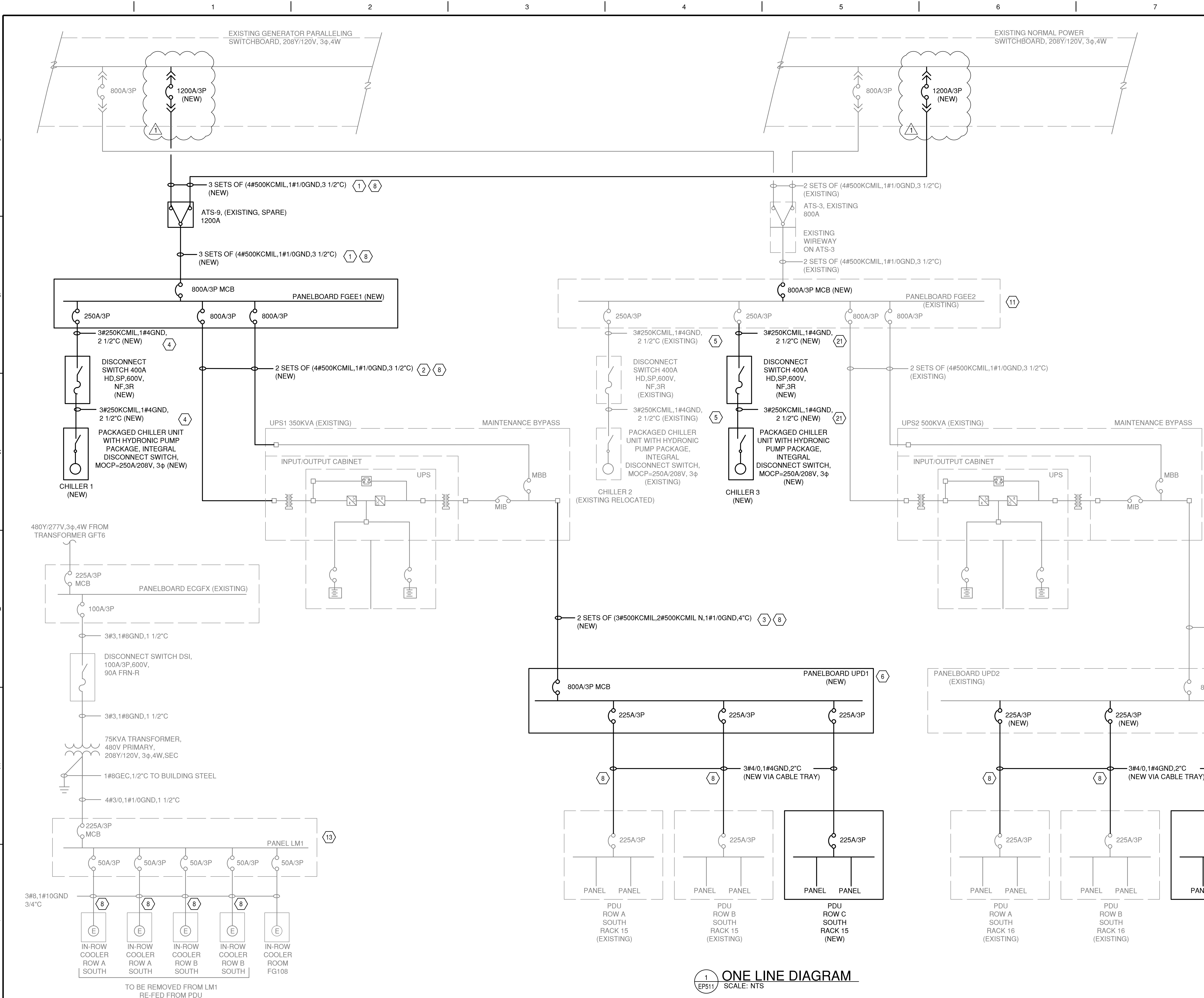
		CONSULTANT:		CONSULTANT:		ARCHITECT/ENGINEERS:	<div><div></div><div>13001 SOUTH PIKE PEAK DRIVE #202 PARKER, COLORADO 80138 PH: 303.842.9922 WWW.AES-GRP.COM</div></div>	Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management
								GROUND FLOOR DATA ROOM POWER PLANS		CORRECT DATA INFRASTRUCTURE		558-15-150		
										F WING - EAST		Building Number		
												1		
												Drawing Number		
												EP112		
								Dwg. of		 Department of Veterans Affairs				
<div><div></div>REVISED DATA RACKS CONFIGURATION</div>		04/2016												
Revisions:		Date												



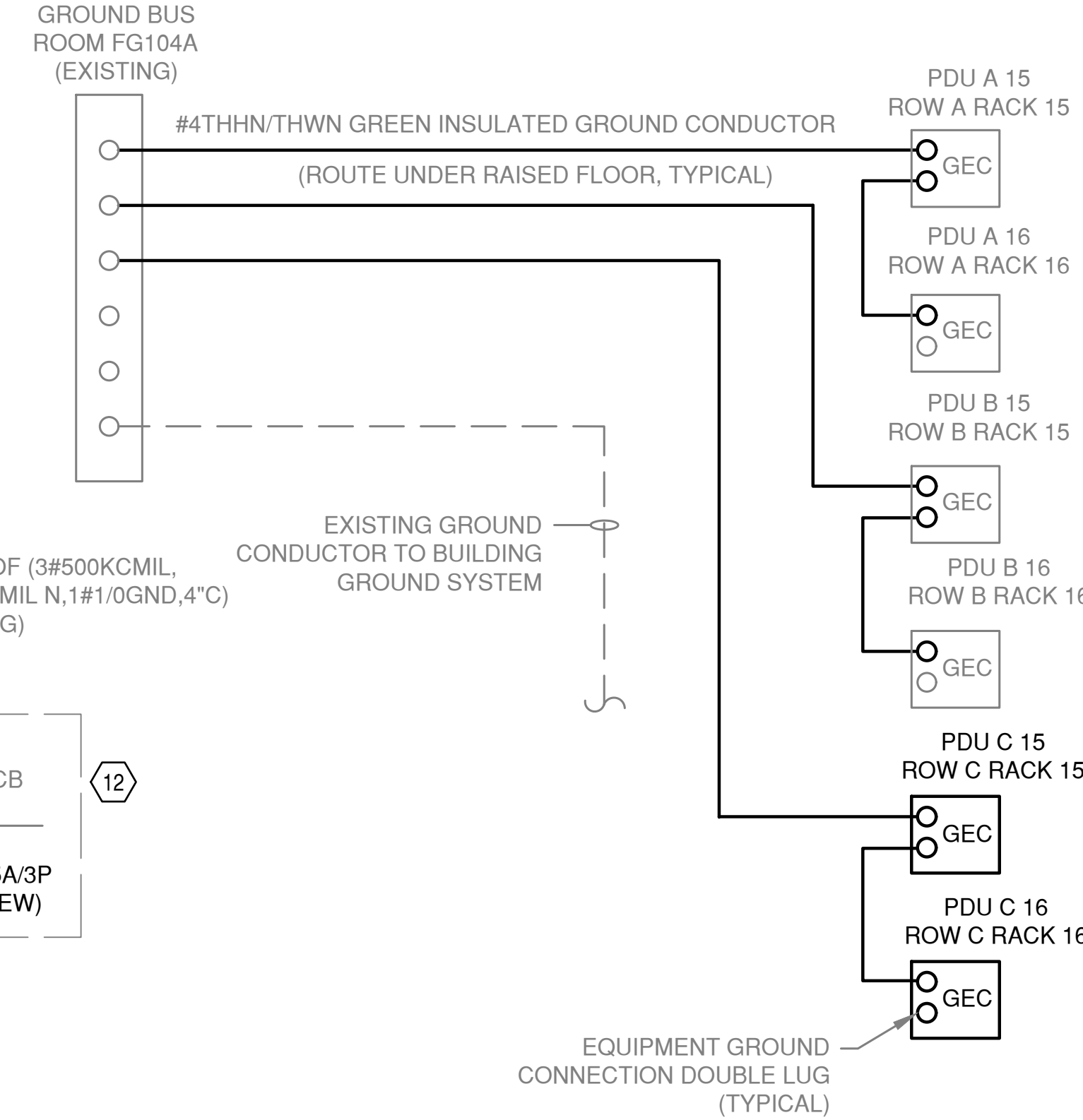
CONSTRUCTION DOCUMENTS

		CONSULTANT:	CONSULTANT:	ARCHITECT/ENGINEERS:	Drawing Title ENLARGED PARTIAL GROUND FLOOR BASEMENT AND FIRST FLOOR POWER PLANS	Project Title CORRECT DATA INFRASTRUCTURE F WING - EAST	Project Number 558-15-150	Office of Construction and Facilities Management	
				<div><div>11031 SOUTH PINES PEAK DRIVE #202 PARMERS COLUMBIANA MISSISSAUGA ON L4W 5G5 TEL: 905.845.3922 WWW.AES-GRP.COM</div></div>		Building Number 1			
					Approved: Project Director KYLE ASKINS PROJECT ENGINEER PHONE: 919-286-0411 X 4270	Location DURHAM, NC	Drawing Number EP113		Department of Veterans Affairs
						Date APRIL 2016	Checked GVO		
 ATS-9 HOUSEKEEPING PAD	04/2016								
Revisions:	Date								

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot



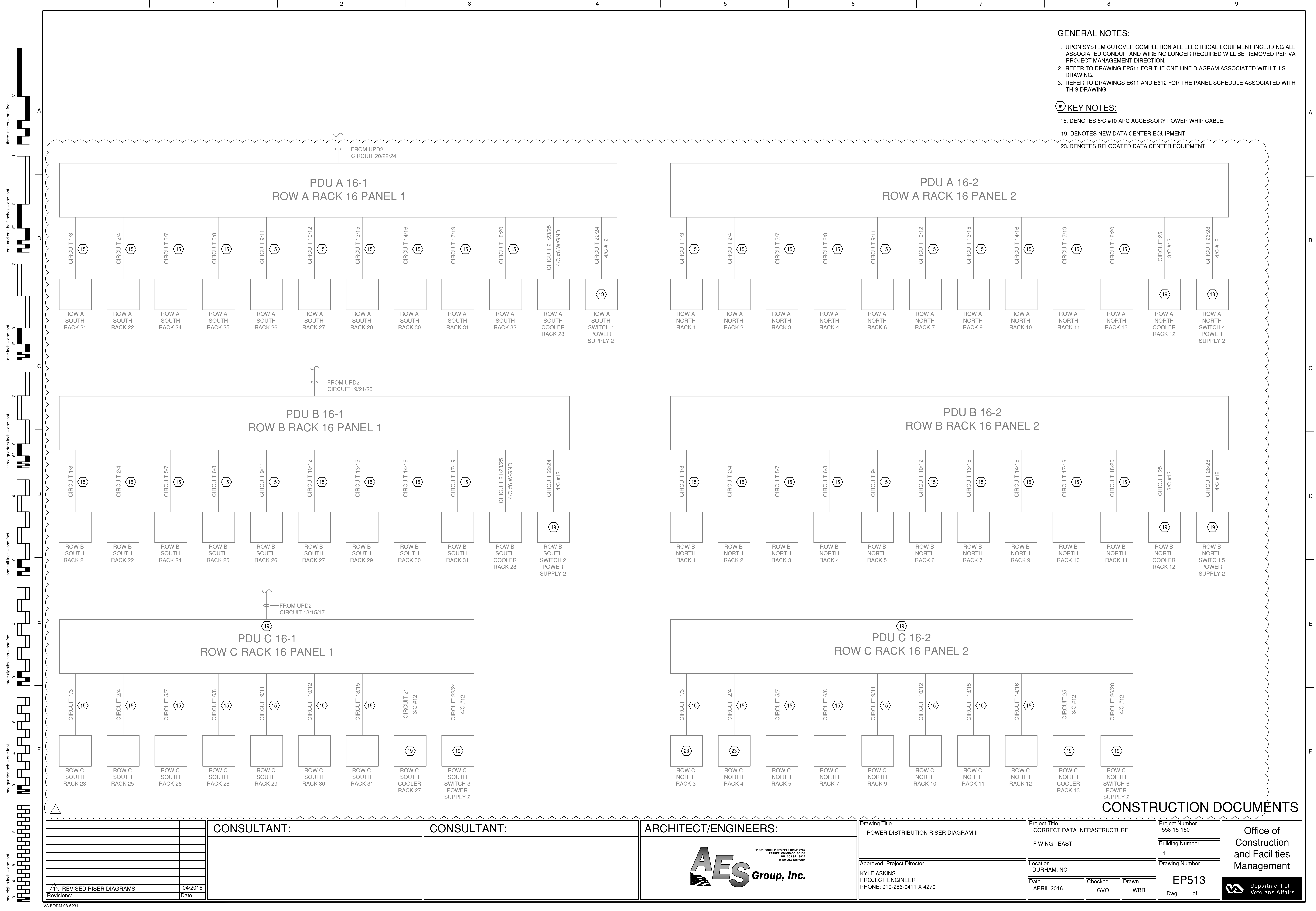
- GENERAL NOTES:**
- UPON SYSTEM CUTOVER COMPLETION ALL ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE NO LONGER REQUIRED WILL BE REMOVED PER VA PROJECT MANAGEMENT DIRECTION.
- KEY NOTES:**
- 3 SETS EACH OF (4#500KCMIL, 1#1/0 GND, 3 1/2" C) (NEW) ROUTED FROM:
A. EXISTING GENERATOR PARALLELING SWITCHBOARD TO NEW (SPARE) ATS-9.
B. EXISTING NORMAL POWER SWITCHBOARD TO NEW (SPARE) ATS-9.
C. NEW (SPARE) ATS-9 TO NEW PANELBOARD FGEE1.
 - 2 SETS EACH OF (4#500KCMIL, 1#1/0 GND, 3 1/2" C) (NEW) ROUTED FROM:
A. NEW PANELBOARD FGEE1 TO EXISTING UPS1 INPUT/OUTPUT CABINET.
B. NEW PANELBOARD FGEE1 TO EXISTING UPS1 MAINTENANCE BYPASS SWITCH.
 - 2 SETS EACH OF (3#500KCMIL, 2#500KCMIL N, 1#1/0 GND, 4" C) (NEW) ROUTED FROM EXISTING UPS1 MAINTENANCE BYPASS SWITCH TO NEW PANELBOARD UPD1.
 - 3#250KCMIL, 1#4 GND, 2 1/2" C (NEW) ROUTED FROM:
A. NEW PANELBOARD FGEE1 TO NEW 400A DISCONNECT SWITCH AND FROM THE DISCONNECT SWITCH TO NEW CHILLER 1.
 - RETERMINATE EXISTING CONDUCTORS ROUTED FROM EXISTING PANELBOARD FGEE2 TO THE RELOCATED CHILLER 2 400A DISCONNECT SWITCH AND FROM THE DISCONNECT SWITCH TO RELOCATED CHILLER 2.
 - REMOVE EXISTING 400A PANEL UPD1 AS WELL AS ASSOCIATED CONDUIT AND WIRE UPON CUTOVER COMPLETION OF NEW 800A PANEL UPD1.
 - EXISTING CONDUIT AND WIRE TO BE REMOVED UPON SYSTEM CUT OVER COMPLETION
 - INSTALL NEW 800AT INCOMING MAIN BREAKER WITHIN EXISTING PANEL FGEE2 AS SHOWN. FEED CHILLER 3 FROM EXISTING SPARE 250AT BREAKER (POSITION 1/3/5) AS SHOWN.
 - WITHIN EXISTING PANEL UPD2, REPLACE EXISTING 175AT BREAKERS (POSITIONS 19/21/23 AND 20/22/24) WITH 225AT BREAKERS AS SHOWN. INSTALL NEW CONDUIT AND WIRE AS REQUIRED PER THE ONE LINE DIAGRAM. INSTALL NEW 225AT BREAKER (POSITION 13/15/17) ALONG WITH THE NEW CONDUIT AND WIRE TO THE NEW POWER DISTRIBUTION UNIT LOCATED IN ROW C SOUTH.
 - WITHIN EXISTING PANEL LM1 RACK COOLERS RC1 (POSITION 1/3/5), RC2 (POSITION 2/4/6), RC3 (POSITION 7/9/11) AND RC4 (POSITION 8/10/12) ARE TO BE REFFED FROM THE POWER DISTRIBUTION UNITS (PDU'S) LOCATED IN ROWS A AND B SOUTH. THESE CIRCUITS WILL BECOME SPARES. REMOVE ASSOCIATED CONDUIT AND WIRE FOR THESE CIRCUITS UPON CUTOVER COMPLETION. RACK COOLER RC5 (CIRCUIT 13/15/17) LOCATED IN ROOM FG108 SHALL REMAIN AS INSTALLED. PROVIDE NEW 20 AMP CIRCUITS AS SHOWN FOR ROOM FG104 LIGHTING, ROOM FG108 BACNET CONTROLLER AND CHILLED WATER SUPPLY/RETURN PIPING.
 - 3#250KCMIL, 1#4 GND, 2 1/2" C (NEW) ROUTED FROM:
A. EXISTING PANELBOARD FGEE2 TO NEW 400A DISCONNECT SWITCH AND FROM THE DISCONNECT SWITCH TO NEW CHILLER 3.



DATA ROOM POWER DISTRIBUTION UNIT EQUIPMENT GROUNDING

ONE LINE DIAGRAM

CONSULTANT:		CONSULTANT:		ARCHITECT/ENGINEERS:		Drawing Title ONE LINE DIAGRAM		Project Title CORRECT DATA INFRASTRUCTURE F WING - EAST		Project Number 558-15-150 Building Number 1		Office of Construction and Facilities Management 	
						Approved: Project Director KYLE ASKINS PROJECT ENGINEER PHONE: 919-286-0411 X 4270		Location DURHAM, NC		Drawing Number EP511			
Revisions: 1. INSTALL NEW CIRCUIT BREAKERS 04/2016						Date APRIL 2016		Checked GVO		Drawn WBR			Dwg. of



- GENERAL NOTES:**
- 1. UPON SYSTEM CUTOVER COMPLETION ALL ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE NO LONGER REQUIRED WILL BE REMOVED PER VA PROJECT MANAGEMENT DIRECTION.
 - 2. REFER TO DRAWING EP511 FOR THE ONE LINE DIAGRAM ASSOCIATED WITH THIS DRAWING.
 - 3. REFER TO DRAWINGS E611 AND E612 FOR THE PANEL SCHEDULE ASSOCIATED WITH THIS DRAWING.
- # KEY NOTES:**
- 15. DENOTES 5/C #10 APC ACCESSORY POWER WHIP CABLE.
 - 19. DENOTES NEW DATA CENTER EQUIPMENT.
 - 23. DENOTES RELOCATED DATA CENTER EQUIPMENT.

CONSTRUCTION DOCUMENTS

<div>1</div> <div>REVISED RISER DIAGRAMS</div> <div>04/2016</div>		CONSULTANT:		CONSULTANT:		ARCHITECT/ENGINEERS: <div><div>AES</div><div>13001 SOUTH PUEBLO PEAK DRIVE #202 PARKER, COLORADO 80138 PH: 303.842.9922 WWW.AES-GRP.COM</div></div>		Drawing Title POWER DISTRIBUTION RISER DIAGRAM II		Project Title CORRECT DATA INFRASTRUCTURE F WING - EAST		Project Number 558-15-150		Office of Construction and Facilities Management <div>Department of Veterans Affairs</div>	
Revisions:								Approved: Project Director KYLE ASKINS PROJECT ENGINEER PHONE: 919-286-0411 X 4270		Location DURHAM, NC		Building Number 1			
								Date APRIL 2016		Checked GVO		Drawn WBR			
												Drawing Number EP513		Dwg. of	

1. UPON SYSTEM CUTOVER COMPLETION ALL ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE NO LONGER REQUIRED WILL BE REMOVED PER VA PROJECT MANAGEMENT DIRECTION.

KEY NOTES:

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP		PANEL NAME: PDU A 15-1					FED FROM: UPD 1				
BUS: 225A		SECTION: 1 OF 1					MOUNTING: PDU ROW A RACK 15				
MAINS: 225AT MCB		LOCATION: BLDGT, WING F, FLOOR G, RM FG104					SCHED. DATE: MAY 2015				
VOLTAGE 208Y / 120 V.3P,4W		MANFCTR.: APC					ISSUE: 2015				
OPTIONS/NOTES:							TYPE: PD60F6FK1				
	DESCRIPTION	P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
	ROW A SOUTH RACK 21	2	30	1				2	30	2	ROW A SOUTH RACK 22
	/	/	/	3				4	/	/	/
	ROW A SOUTH RACK 24	2	30	5				6	30	2	ROW A SOUTH RACK 25
	/	/	/	7				8	/	/	/
	ROW A SOUTH RACK 26	2	30	9				10	30	2	ROW A SOUTH RACK 27
	/	/	/	11				12	/	/	/
	ROW A SOUTH RACK 29	2	30	13				14	30	2	ROW A SOUTH RACK 30
	/	/	/	15				16	/	/	/
	ROW A SOUTH RACK 31	2	30	17				18	30	2	ROW A SOUTH RACK 32
	/	/	/	19				20	/	/	/
	ROW A SOUTH COOLER RACK 23	3	50	21				22	20	2	ROW A SOUTH SWITCH POWER SUPPLY 1
	/	/	/	23				24	/	/	/
	/	/	/	25				26	-	1	SPACE
	SPACE	1	-	27				28	-	1	SPACE
	SPACE	1	-	29				30	-	1	SPACE
	SPACE	1	-	31				32	-	1	SPACE
	SPACE	1	-	33				34	-	1	SPACE
	SPACE	1	-	35				36	-	1	SPACE
	SPACE	1	-	37				38	-	1	SPACE
	SPACE	1	-	39				40	-	1	SPACE
	SPACE	1	-	41				42	-	1	SPACE

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU B 15-1						FED FROM: UPD 1			
BUS: 225A			SECTION: 1 OF 1						MOUNTING: PDU ROW B RACK 15			
MAINS: 225AT MCB			LOCATION: BLDG1, WING F, FLOOR G, RM FG104						SCHED. DATE: MAY 2015			
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC						ISSUE: 2015			
OPTIONS/NOTES:									TYPE: PD60F6FK1			
DESCRIPTION			P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW B SOUTH RACK 21			2	30	1				2	30	2	ROW B SOUTH RACK 22
/			/	/	3				4	/	/	/
ROW B SOUTH RACK 24			2	30	5				6	30	2	ROW B SOUTH RACK 25
/			/	/	7				8	/	/	/
ROW B SOUTH RACK 26			2	30	9				10	30	2	ROW B SOUTH RACK 27
/			/	/	11				12	/	/	/
ROW B SOUTH RACK 29			2	30	13				14	30	2	ROW B SOUTH RACK 30
/			/	/	15				16	/	/	/
ROW B SOUTH RACK 31			2	30	17				18	30	2	SPARE
/			/	/	19				20	/	/	/
ROW B SOUTH COOLER RACK 23			3	50	21				22	20	2	ROW B SOUTH SWITCH POWER SUPPLY 1
/			/	/	23				24	/	/	/
/			/	/	25				26	-	1	SPACE
SPACE			1	-	27				28	-	1	SPACE
SPACE			1	-	29				30	-	1	SPACE
SPACE			1	-	31				32	-	1	SPACE
SPACE			1	-	33				34	-	1	SPACE
SPACE			1	-	35				36	-	1	SPACE
SPACE			1	-	37				38	-	1	SPACE
SPACE			1	-	39				40	-	1	SPACE
SPACE			1	-	41				42	-	1	SPACE

NEW APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU C 15-1						FED FROM: UPD 1			
BUS: 225A			SECTION: 1 OF 1						MOUNTING: PDU ROW C RACK 15			
MAINS: 225AT MCB			LOCATION: BLDG1, WING F, FLOOR G, RM FG104						SCHED. DATE: MAY 2015			
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC						ISSUE: 2015			
OPTIONS/ NOTES:									TYPE: PD60F6FK			
DESCRIPTION			P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW C SOUTH RACK 23			2	30	1				2	30	2	ROW C SOUTH RACK 25
/			/	/	3				4	/	/	/
ROW C SOUTH RACK 26			2	30	5				6	30	2	ROW C SOUTH RACK 28
/			/	/	7				8	/	/	/
ROW C SOUTH RACK 29			2	30	9				10	30	2	ROW C SOUTH RACK 30
/			/	/	11				12	/	/	/
ROW C SOUTH RACK 31			2	30	13				14	30	2	SPARE
/			/	/	15				16	/	/	/
SPARE			2	30	17				18	30	2	SPARE
/			/	/	19				20	/	/	/
ROW C SOUTH COOLER RACK 24			1	20	21				22	20	2	ROW C SOUTH SWITCH POWER SUPPLY 1
SPACE			1	-	23				24	/	/	/
SPACE			1	-	25				26	-	1	SPACE
SPACE			1	-	27				28	-	1	SPACE
SPACE			1	-	29				30	-	1	SPACE
SPACE			1	-	31				32	-	1	SPACE
SPACE			1	-	33				34	-	1	SPACE
SPACE			1	-	35				36	-	1	SPACE
SPACE			1	-	37				38	-	1	SPACE
SPACE			1	-	39				40	-	1	SPACE
SPACE			1	-	41				42	-	1	SPACE

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP		PANEL NAME: PDU A 15-2		FED FROM: UPD 1							
BUS: 225A		SECTION: 1 OF 1		MOUNTING: PDU ROW A RACK 15							
MAINS: 225AT MCB		LOCATION: BLDG1, WING F, FLOOR G, RM FG104		SCHED. DATE: MAY 2015							
VOLTAGE 208Y / 120 V.3P,4W		MANFCTR.: APC		ISSUE: 2015							
OPTIONS/NOTES:				TYPE: PD60F6FKI							
DESCRIPTION		P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW A NORTH RACK 1		2	30	1				2	30	2	ROW A NORTH RACK 2
/		/	/	3				4	/	/	/
ROW A NORTH RACK 3		2	30	5				6	30	2	ROW A NORTH RACK 4
/		/	/	7				8	/	/	/
ROW A NORTH RACK 6		2	30	9				10	30	2	ROW A NORTH RACK 7
/		/	/	11				12	/	/	/
ROW A NORTH RACK 9		2	30	13				14	30	2	ROW A NORTH RACK 10
/		/	/	15				16	/	/	/
ROW A NORTH RACK 11		2	30	17				18	30	2	ROW A NORTH RACK 13
/		/	/	19				20	/	/	/
ROW A NORTH RACK 14		2	30	21				22	20	2	ROW A NORTH RACK 15
/		/	/	23				24	/	/	/
ROW A NORTH COOLER RACK 8		1	20	25				26	20	2	ROW A NORTH SWITCH POWER SUPPLY 1
SPACE		1	-	27				28	/	/	/
SPACE		1	-	29				30	-	1	SPACE
SPACE		1	-	31				32	-	1	SPACE
SPACE		1	-	33				34	-	1	SPACE
SPACE		1	-	35				36	-	1	SPACE
SPACE		1	-	37				38	-	1	SPACE
SPACE		1	-	39				40	-	1	SPACE
SPACE		1	-	41				42	-	1	SPACE

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU B 15-2						FED FROM: UPD 1		
BUS: 225A			SECTION: 1 OF 1						MOUNTING: PDU ROW B RACK 15		
MAINS: 225AT MCB			LOCATION: BLDG1, WING F, FLOOR G, RM FG104						SCHED. DATE: MAY 2015		
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC						ISSUE: 2015		
OPTIONS/NOTES:						TYPE: PD60F6FK1					
DESCRIPTION		P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW B NORTH RACK 1		2	30	1				2	30	2	ROW B NORTH RACK 2
/		/	/	3				4	/	/	/
ROW B NORTH RACK 3		2	30	5				6	30	2	ROW B NORTH RACK 4
/		/	/	7				8	/	/	/
ROW B NORTH RACK 5		2	30	9				10	30	2	ROW B NORTH RACK 6
/		/	/	11				12	/	/	/
ROW B NORTH RACK 7		2	30	13				14	30	2	ROW B NORTH RACK 9
/		/	/	15				16	/	/	/
ROW B NORTH RACK 10		2	30	17				18	30	2	ROW B NORTH RACK 11
/		/	/	19				20	/	/	/
SPARE		2	30	21				22	30	2	SPARE
/		/	/	23				24	/	/	/
ROW B NORTH COOLER RACK 8		1	20	25				26	20	2	ROW B NORTH SWITCH POWER SUPPLY 1
SPACE		1	-	27				28	/	/	/
SPACE		1	-	29				30	-	1	SPACE
SPACE		1	-	31				32	-	1	SPACE
SPACE		1	-	33				34	-	1	SPACE
SPACE		1	-	35				36	-	1	SPACE
SPACE		1	-	37				38	-	1	SPACE
SPACE		1	-	39				40	-	1	SPACE
SPACE		1	-	41				42	-	1	SPACE

NEW APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP		PANEL NAME: PDU C 15-2					FED FROM: UPD 1				
BUS: 225A		SECTION: 1 OF 1					MOUNTING: PDU ROW C RACK 15				
MAINS: 225AT MCB		LOCATION: BLDG1, WING F, FLOOR G, RM FG104					SCHED. DATE: MAY 2015				
VOLTAGE 208Y / 120 V,3P,4W		MANFCTR.: APC					ISSUE: 2015				
OPTIONS/ NOTES:					TYPE: PD60F6FK						
DESCRIPTION		P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW C NORTH RACK 3		2	30	1				2	30	2	ROW C NORTH RACK 4
/		/	/	3				4	/	/	/
ROW C NORTH RACK 5		2	30	5				6	30	2	ROW C NORTH RACK 7
/		/	/	7				8	/	/	/
ROW C NORTH RACK 9		2	30	9				10	30	2	ROW C NORTH RACK 10
/		/	/	11				12	/	/	/
ROW C NORTH RACK 11		2	30	13				14	30	2	ROW C NORTH RACK 12
/		/	/	15				16	/	/	/
SPARE		2	30	17				18	30	2	SPARE
/		/	/	19				20	/	/	/
SPARE		2	30	21				22	30	2	SPARE
/		/	/	23				24	/	/	/
ROW C NORTH COOLER RACK 6		1	20	25				26	20	2	ROW C NORTH SWITCH POWER SUPPLY 1
SPACE		1	-	27				28	/	/	/
SPACE		1	-	29				30	-	1	SPACE
SPACE		1	-	31				32	-	1	SPACE
SPACE		1	-	33				34	-	1	SPACE
SPACE		1	-	35				36	-	1	SPACE
SPACE		1	-	37				38	-	1	SPACE
SPACE		1	-	39				40	-	1	SPACE
SPACE		1	-	41				42	-	1	SPACE

1 EP612 PANELBOARD SCHEDULE II SCALE: NTS

[illegible][illegible]

CONSULTANT:	

ARCHITECT/ENGINEERS:

AES *Group, Inc.*

15355 SOUTH PIED MOUNT DRIVE #102
 PARKER, COLORADO 80138
 PH: 303-843-3552
 WWW.AES-GRP.COM

Drawing Title	PANELBOARD SCHEDULE II
Approved: Project Director	KYLE ASKINS PROJECT ENGINEER PHONE: 919-286-0411 X 4270

Project Title CORRECT DATA INFRASTRUCTURE			Project Number 558-15-150	
F WING - EAST			Building Number 1	
Location DURHAM, NC			Drawing Number	
Date APRIL 2016	Checked GVO	Drawn WBR	<div>EP612</div> <div>Dwg. of</div>	

Office of
Construction
and Facilities
Management

 Department of
Veterans Affairs

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU A 16-1						FED FROM: UPD 2			
BUS: 225A			SECTION: 1 OF 1						MOUNTING: PDU ROW A RACK 16			
MAINS: 225AT MCB			LOCATION: BLDG1, WING F, FLOOR G, RM FG104						SCHED. DATE: MAY 2015			
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC						ISSUE: 2015			
OPTIONS/NOTES:									TYPE: PD60F6FKI			
DESCRIPTION			P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW A SOUTH RACK 21			2	30	1				2	30	2	ROW A SOUTH RACK 22
/			/	/	3				4	/	/	/
ROW A SOUTH RACK 24			2	30	5				6	30	2	ROW A SOUTH RACK 25
/			/	/	7				8	/	/	/
ROW A SOUTH RACK 26			2	30	9				10	30	2	ROW A SOUTH RACK 27
/			/	/	11				12	/	/	/
ROW A SOUTH RACK 29			2	30	13				14	30	2	ROW A SOUTH RACK 30
/			/	/	15				16	/	/	/
ROW A SOUTH RACK 31			2	30	17				18	30	2	ROW A SOUTH RACK 32
/			/	/	19				20	/	/	/
ROW A SOUTH COOLER RACK 28			3	50	21				22	20	2	ROW A SOUTH SWITCH POWER SUPPLY 2
/			/	/	23				24	/	/	/
/			/	/	25				26	-	1	SPACE
SPACE			1	-	27				28	-	1	SPACE
SPACE			1	-	29				30	-	1	SPACE
SPACE			1	-	31				32	-	1	SPACE
SPACE			1	-	33				34	-	1	SPACE
SPACE			1	-	35				36	-	1	SPACE
SPACE			1	-	37				38	-	1	SPACE
SPACE			1	-	39				40	-	1	SPACE
SPACE			1	-	41				42	-	1	SPACE

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU B 16-1						FED FROM: UPD 2			
BUS: 225A			SECTION: 1 OF 1						MOUNTING: PDU ROW B RACK 16			
MAINS: 225AT MCB			LOCATION: BLDG1; WING F, FLOOR G, RM FG104						SCHED. DATE: MAY 2015			
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC						ISSUE: 2015			
OPTIONS/NOTES:									TYPE: PD60F6FK1			
DESCRIPTION			P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW B SOUTH RACK 21	2	30	1						2	30	2	ROW B SOUTH RACK 22
/	/	/	3						4	/	/	/
ROW B SOUTH RACK 24	2	30	5						6	30	2	ROW B SOUTH RACK 25
/	/	/	7						8	/	/	/
ROW B SOUTH RACK 26	2	30	9						10	30	2	ROW B SOUTH RACK 27
/	/	/	11						12	/	/	/
ROW B SOUTH RACK 29	2	30	13						14	30	2	ROW B SOUTH RACK 30
/	/	/	15						16	/	/	/
ROW B SOUTH RACK 31	2	30	17						18	30	2	SPARE
/	/	/	19						20	/	/	/
ROW B SOUTH COOLER RACK 28	3	50	21						22	20	2	ROW B SOUTH SWITCH POWER SUPPLY 2
/	/	/	23						24	/	/	/
/	/	/	25						26	-	1	SPACE
SPACE	1	-	27						28	-	1	SPACE
SPACE	1	-	29						30	-	1	SPACE
SPACE	1	-	31						32	-	1	SPACE
SPACE	1	-	33						34	-	1	SPACE
SPACE	1	-	35						36	-	1	SPACE
SPACE	1	-	37						38	-	1	SPACE
SPACE	1	-	39						40	-	1	SPACE
SPACE	1	-	41						42	-	1	SPACE

NEW APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP		PANEL NAME: PDU C 16-1					FED FROM: UPD 2				
BUS: 225A		SECTION: 1 OF 1					MOUNTING: PDU ROW C RACK 16				
MAINS: 225AT MCB		LOCATION: BLDG1, WING F, FLOOR G, RM FG104					SCHED. DATE: MAY 2015				
VOLTAGE 208Y / 120 V,3P,4W		MANF/CTR.: APC					ISSUE: 2015				
OPTIONS/NOTES:							TYPE: PD60F6FK1				
DESCRIPTION		P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW C SOUTH RACK 23		2	30	1				2	30	2	ROW C SOUTH RACK 25
/		/	/	3				4	/	/	/
ROW C SOUTH RACK 26		2	30	5				6	30	2	ROW C SOUTH RACK 28
/		/	/	7				8	/	/	/
ROW C SOUTH RACK 29		2	30	9				10	30	2	ROW C SOUTH RACK 30
/		/	/	11				12	/	/	/
ROW C SOUTH RACK 31		2	30	13				14	30	2	SPARE
/		/	/	15				16	/	/	/
SPARE		2	30	17				18	30	2	SPARE
/		/	/	19				20	/	/	/
ROW C SOUTH COOLER RACK 27		1	20	21				22	20	2	ROW C SOUTH SWITCH POWER SUPPLY 2
SPACE		1	-	23				24	/	/	/
SPACE		1	-	25				26	-	1	SPACE
SPACE		1	-	27				28	-	1	SPACE
SPACE		1	-	29				30	-	1	SPACE
SPACE		1	-	31				32	-	1	SPACE
SPACE		1	-	33				34	-	1	SPACE
SPACE		1	-	35				36	-	1	SPACE
SPACE		1	-	37				38	-	1	SPACE
SPACE		1	-	39				40	-	1	SPACE
SPACE		1	-	41				42	-	1	SPACE

GENERAL NOTES:

1. UPON SYSTEM CUTOVER COMPLETION ALL ELECTRICAL EQUIPMENT INCLUDING ALL ASSOCIATED CONDUIT AND WIRE NO LONGER REQUIRED WILL BE REMOVED PER VA PROJECT MANAGEMENT DIRECTION.

KEY NOTES:

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU A 16-1			FED FROM: UPD 2						
BUS: 225A			SECTION: 1 OF 1			MOUNTING: PDU ROW A RACK 16						
MAINS: 225AT MCB			LOCATION: BLDG1, WING F, FLOOR G, RM FG104			SCHED. DATE: MAY 2015						
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC			ISSUE: 2015						
OPTIONS/NOTES:						TYPE: PD60F6FKI						
DESCRIPTION			P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW A NORTH RACK 1			2	30	1				2	30	2	ROW A NORTH RACK 2
/			/	/	3				4	/	/	/
ROW A NORTH RACK 3			2	30	5				6	30	2	ROW A NORTH RACK 4
/			/	/	7				8	/	/	/
ROW A NORTH RACK 6			2	30	9				10	30	2	ROW A NORTH RACK 7
/			/	/	11				12	/	/	/
ROW A NORTH RACK 9			2	30	13				14	30	2	ROW A NORTH RACK 10
/			/	/	15				16	/	/	/
ROW A NORTH RACK 11			2	30	17				18	30	2	ROW A NORTH RACK 13
/			/	/	19				20	/	/	/
ROW A NORTH RACK 14			2	30	21				22	30	2	ROW A NORTH RACK 15
/			/	/	23				24	/	/	/
ROW A NORTH COOLER RACK 12			1	20	25				26	20	2	ROW A NORTH SWITCH POWER SUPPLY 2
SPACE			1	-	27				28	/	/	/
SPACE			1	-	29				30	-	1	SPACE
SPACE			1	-	31				32	-	1	SPACE
SPACE			1	-	33				34	-	1	SPACE
SPACE			1	-	35				36	-	1	SPACE
SPACE			1	-	37				38	-	1	SPACE
SPACE			1	-	39				40	-	1	SPACE
SPACE			1	-	41				42	-	1	SPACE

EXISTING APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP		PANEL NAME: PDU B 16-2						FED FROM: UPD 2			
BUS: 225A		SECTION: 1 OF 1						MOUNTING: PDU ROW B RACK 16			
MAINS: 225AT MCB		LOCATION: BLDG1, WING F, FLOOR G, RM FG104						SCHED. DATE: MAY 2015			
VOLTAGE 208Y / 120 V,3P,4W		MANFCTR.: APC						ISSUE: 2015			
OPTIONS/NOTES:								TYPE: PD60F6FKI			
	DESCRIPTION	P	BKRR	CKT	A	B	C	CKT	BKRR	P	DESCRIPTION
	ROW B NORTH RACK 1	2	30	1				2	30	2	ROW B NORTH RACK 2
	/	/	/	3				4	/	/	/
	ROW B NORTH RACK 3	2	30	5				6	30	2	ROW B NORTH RACK 4
	/	/	/	7				8	/	/	/
	ROW B NORTH RACK 5	2	30	9				10	30	2	ROW B NORTH RACK 6
	/	/	/	11				12	/	/	/
	ROW B NORTH RACK 7	2	30	13				14	30	2	ROW B NORTH RACK 9
	/	/	/	15				16	/	/	/
	ROW B NORTH RACK 10	2	30	17				18	30	2	ROW B NORTH RACK 11
	/	/	/	19				20	/	/	/
	SPARE	2	30	21				22	30	2	SPARE
	/	/	/	23				24	/	/	/
	ROW B NORTH COOLER RACK 12	1	20	25				26	20	2	ROW B NORTH SWITCH POWER SUPPLY 2
	SPACE	1	-	27				28	/	/	/
	SPACE	1	-	29				30	-	1	SPACE
	SPACE	1	-	31				32	-	1	SPACE
	SPACE	1	-	33				34	-	1	SPACE
	SPACE	1	-	35				36	-	1	SPACE
	SPACE	1	-	37				38	-	1	SPACE
	SPACE	1	-	39				40	-	1	SPACE
	SPACE	1	-	41				42	-	1	SPACE

NEW APC POWER DISTRIBUTION UNIT (PDU)

COMPANY: AES GROUP			PANEL NAME: PDU C 16-2					FED FROM: UPD 2			
BUS: 225A			SECTION: 1 OF 1					MOUNTING: PDU ROW C RACK 16			
MAINS: 225AT MCB			LOCATION: BLDG1, WING F, FLOOR G, RM FG104					SCHED. DATE: MAY 2015			
VOLTAGE 208Y / 120 V,3P,4W			MANFCTR.: APC					ISSUE: 2015			
OPTIONS/ NOTES:					TYPE: PD60F6FK1						
DESCRIPTION		P	BKR	CKT	A	B	C	CKT	BKR	P	DESCRIPTION
ROW C NORTH RACK 3		2	30	1				4	30	2	ROW C NORTH RACK 4
/		/	/	3				2	/	/	/
ROW C NORTH RACK 5		2	30	5				6	30	2	ROW C NORTH RACK 7
/		/	/	7				8	/	/	/
ROW C NORTH RACK 9		2	30	9				10	30	2	ROW C NORTH RACK 10
/		/	/	11				12	/	/	/
ROW C NORTH RACK 11		2	30	13				14	30	2	ROW C NORTH RACK 12
/		/	/	15				16	/	/	/
SPARE		2	30	17				18	30	2	SPARE
/		/	/	19				20	/	/	/
SPARE		2	30	21				22	30	2	SPARE
/		/	/	23				24	/	/	/
ROW C NORTH COOLER RACK 13		1	20	25				26	20	2	ROW C NORTH SWITCH POWER SUPPLY 2
SPACE		1	-	27				28	/	/	/
SPACE		1	-	29				30	-	1	SPACE
SPACE		1	-	31				32	-	1	SPACE
SPACE		1	-	33				34	-	1	SPACE
SPACE		1	-	35				36	-	1	SPACE
SPACE		1	-	37				38	-	1	SPACE
SPACE		1	-	39				40	-	1	SPACE
SPACE		1	-	41				42	-	1	SPACE

1 EP613 PANELBOARD SCHEDULE III SCALE: NTS

SCALE: NTS

CONSTRUCTION DOCUMENTS

[illegible]